

**Flood Control Project Maintenance
Levee Inspections****LMA District Cover Sheet****Spring 2013 Levee Inspection Results****Tehama County Flood Control and Water Conservation District**

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)				

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indication of risk.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 01 Deer Creek			Left	4.11
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/10/2013 - 04/10/2013			
DWR Inspector	Bob Duffey			
Accompanied By	Brandon Konicke Tehama County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek				Left	4.11	04/10/2013 04/10/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location * + Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End					Start	End	Photo
1				Operations & Maintenance Manuals	CR A Ma		° °	° °	12
DWR ID: DWR_NA0019_01_s_2013_12									
2				Emergency Supplies & Equipment	CR A Ma		° °	° °	13
DWR ID: DWR_NA0019_01_s_2013_13									
3				Flood Preparedness & Training	CR A Ma		° °	° °	14
DWR ID: DWR_NA0019_01_s_2013_14									
4	0.02	0.02		Erosion / Bank Caving	LS M Ma	E1 : Note and monitor erosion site.	39.973111 ° -121.980466 °	39.973111 ° -121.980466 °	17 Y
DWR ID: DWR_NA0019_01_s_2013_17									
5	0.41	0.41		Erosion / Bank Caving	LS M Ma	E1 : Note and monitor erosion site.	39.972560 ° -121.987759 °	39.972560 ° -121.987759 °	18 Y
DWR ID: DWR_NA0019_01_s_2013_18									
6	0.48	0.48		Erosion / Bank Caving	LS M Ma	E1 : Note and monitor erosion site.	39.972339 ° -121.988763 °	39.972339 ° -121.988763 °	19 Y
DWR ID: DWR_NA0019_01_s_2013_19									
7	2.04	2.23		Encroachments	LS M En	DT : Ditch	39.968387 ° -122.016387 °	39.966968 ° -122.019372 °	2 Y
DWR ID: DWR_NA0019_01_s_2012_2									
8	2.31	3.04		Vegetation	LS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	39.967015 ° -122.020781 °	° ° ° °	3 Y
DWR ID: DWR_NA0019_01_f_2012_3									
9	2.50	2.58		Slope Stability	CR M Ma	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	39.967016 ° -122.024068 °	39.966455 ° -122.025531 °	7
DWR ID: DWR_NA0019_01_s_2012_7									
10	2.72	2.76		Slope Stability	CR M Ma	S2 : Repair the levee slope damaged by foot traffic and prevent access where possible.	39.965434 ° -122.027776 °	39.965180 ° -122.028331 °	8 Y
DWR ID: DWR_NA0019_01_s_2012_8									
11	2.90	2.90		Slope Stability	LS M Ma	S1 : Repair slope instability.	39.963709 ° -122.030384 °	39.963709 ° -122.030384 °	20 Y
DWR ID: DWR_NA0019_01_s_2013_20									
12	2.98	3.00	Supplemental Survey	USACE Erosion	WS M Ma	Inspector Comments: 2006 - Erosion along outer bank of a meandering bend that is getting close to the projection of the levee toe. Trees are leaning out into the channel and ready to fall. Whole bank in reach is actively eroding. 2011 - New erosion pocket caused by an eddy. The Deer Creek Watershed Conservation Group is planning a reach-wide repair for Deer Creek. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: DEC_2-4_L]	39.962910 ° -122.031421 °	39.962724 ° -122.031670 °	1
DWR ID: DWR_NA0019_01_s_2013_1									

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek				Left	4.11	04/10/2013 04/10/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
13	3.64	3.64	Encroachments	CR	M	FE : Fence En		39.945249 ° -122.053720 °	39.945249 ° -122.053720 °	9 Y
DWR ID: DWR_NA0019_01_s_2012_9										
14	3.68	3.68	Slope Stability	WS	M	S1 : Repair slope instability. Ma		39.945045 ° -122.053469 °	39.945045 ° -122.053469 °	15 Y
DWR ID: DWR_NA0019_01_f_2012_15										
15	3.74	3.74	Encroachments	WS	M	PI : Pipe En Inspector Comments: No flapgate on pipe.		39.944455 ° -122.053949 °	39.944455 ° -122.053949 °	11 Y
DWR ID: DWR_NA0019_01_s_2012_11										
16	3.74	3.74	Encroachments	CR	M	FE : Fence En		39.944432 ° -122.054029 °	39.944432 ° -122.054029 °	10 Y
DWR ID: DWR_NA0019_01_s_2012_10										
17	3.74	3.74	Encroachments	LS	M	DT : Ditch En		39.944456 ° -122.053932 °	39.944456 ° -122.053932 °	16 Y
DWR ID: DWR_NA0019_01_f_2012_16										
18	3.79	3.79	Encroachments	LS	M	PR : Prunings Ma		39.944135 ° -122.054788 °	39.944135 ° -122.054788 °	5 Y
DWR ID: DWR_NA0019_01_s_2012_5										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.11	04/10/2013 04/10/2013	Bob Duffey

Levee Mile Report Line	4
Start Levee Mile	0.02
End Levee Mile	0.02
Location	Land Side
Category	
Item	Erosion / Bank Caving

View of the erosion along the landside slope.

rduffey_s_20130429_364.JPG



Levee Mile Report Line	5
Start Levee Mile	0.41
End Levee Mile	0.41
Location	Land Side
Category	
Item	Erosion / Bank Caving

View of the erosion along the landside slope.

rduffey_s_20130429_365.JPG



Levee Mile Report Line	6
Start Levee Mile	0.48
End Levee Mile	0.48
Location	Land Side
Category	
Item	Erosion / Bank Caving

View of the erosion along the landside slope.

rduffey_s_20130429_366.JPG



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.11	04/10/2013 04/10/2013	Bob Duffey

Levee Mile Report Line	7
Start Levee Mile	2.04
End Levee Mile	2.23
Location	Land Side
Category	
Item	Encroachments
Remove agricultural ditch from toe of levee.	
rduffey_s_20130225_157.jpg	



Levee Mile Report Line	8
Start Levee Mile	2.31
End Levee Mile	3.04
Location	Land Side
Category	
Item	Vegetation
View of the vegetation along the landside slope.	
rduffey_s_20130225_158.JPG	



Levee Mile Report Line	10
Start Levee Mile	2.72
End Levee Mile	2.76
Location	Crown
Category	
Item	Slope Stability
Erosion on crown and both slopes.	
rduffey_s_20130225_159.jpg	



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.11	04/10/2013 04/10/2013	Bob Duffey

Levee Mile Report Line	11
Start Levee Mile	2.90
End Levee Mile	2.90
Location	Land Side
Category	
Item	Slope Stability

View of the erosion along the landside slope.

rduffey_s_20130429_367.JPG



Levee Mile Report Line	13
Start Levee Mile	3.64
End Levee Mile	3.64
Location	Crown
Category	
Item	Encroachments

View of the non-permitted gate on the crown of the levee.

rduffey_s_20130225_160.jpg



Levee Mile Report Line	14
Start Levee Mile	3.68
End Levee Mile	3.68
Location	Water Side
Category	
Item	Slope Stability

View of the erosion caused by livestock along the landside slope.

rduffey_s_20130225_163.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Deer Creek	Left	4.11	04/10/2013 04/10/2013	Bob Duffey

Levee Mile Report Line	15
Start Levee Mile	3.74
End Levee Mile	3.74
Location	Water Side
Category	
Item	Encroachments

No flap gate on 18 inch pipe going to the levee.

rduffey_s_20130225_162.jpg



Levee Mile Report Line	16
Start Levee Mile	3.74
End Levee Mile	3.74
Location	Crown
Category	
Item	Encroachments

View of the non-permitted gate on the crown roadway.

rduffey_s_20130225_161.jpg



Levee Mile Report Line	17
Start Levee Mile	3.74
End Levee Mile	3.74
Location	Land Side
Category	
Item	Encroachments

View of the ditch along the waterside toe.

rduffey_s_20130225_164.JPG



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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 02 Deer Creek			Right	1.50
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/10/2013 - 04/10/2013			
DWR Inspector	Bob Duffey			
Accompanied By	Brandon Konicke Tehama County			

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek				Right	1.50	04/10/2013 04/10/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.31	0.31		Encroachments	LS	M	DE : Debris Ma	39.970305 ° -122.014465 °	39.970305 ° -122.014465 °	2 Y
DWR ID: DWR_NA0019_02_s_2012_2										
2	0.34	0.34		Encroachments	WS	M	DE : Debris Ma	39.970210 ° -122.015198 °	39.970210 ° -122.015198 °	4 Y
DWR ID: DWR_NA0019_02_s_2012_4										
3	0.36	0.36		Encroachments	LS	M	BU : Building En	39.970117 ° -122.015365 °	39.970117 ° -122.015365 °	7 Y
DWR ID: DWR_NA0019_02_s_2012_7										
4	0.86	0.91	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2006 - Banks are composed of lithified cobble alluvial soils (relict alluvial fan deposits). Slow erosion of lithified lower bank materials with faster erosion of overlying less cohesive soils resulting in channel "skating" across lithified horizon. 2011 - The Deer Creek Watershed Conservation Group is planning a reach-wide repair for Deer Creek. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: DEC_0-9_R]	39.968165 ° -122.023828 °	39.967766 ° -122.024620 °	1
DWR ID: DWR_NA0019_02_s_2013_1										
5	1.06	1.06		Vegetation	LS	A	V1 : Control annual grass and weeds on the levee slopes and easements. Ma	39.966733 ° -122.026944 °	39.966733 ° -122.026944 °	3 Y
DWR ID: DWR_NA0019_02_s_2013_3										
6	1.30	1.30		Encroachments	WS	M	FW : Firewood Ma	39.964883 ° -122.030655 °	39.964883 ° -122.030655 °	6 Y
DWR ID: DWR_NA0019_02_s_2012_6										

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.50	04/10/2013 04/10/2013	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	0.31
End Levee Mile	0.31
Location	Land Side
Category	
Item	Encroachments

View of debris & wire at toe of levee.

rduffey_s_20130225_165.jpg



Levee Mile Report Line	2
Start Levee Mile	0.34
End Levee Mile	0.34
Location	Water Side
Category	
Item	Encroachments

View of the concrete pile along the W/S toe.

rduffey_s_20130225_166.jpg



Levee Mile Report Line	3
Start Levee Mile	0.36
End Levee Mile	0.36
Location	Land Side
Category	
Item	Encroachments

View of building at toe of levee.

rduffey_s_20130225_168.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 02 Deer Creek	Right	1.50	04/10/2013 04/10/2013	Bob Duffey

Levee Mile Report Line	5
Start Levee Mile	1.06
End Levee Mile	1.06
Location	Land Side
Category	
Item	Vegetation

View of the levee with no vegetation on both slopes.

rduffey_s_20130429_363.JPG



Levee Mile Report Line	6
Start Levee Mile	1.30
End Levee Mile	1.30
Location	Water Side
Category	
Item	Encroachments

Remove all firewood.

rduffey_s_20130225_167.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 04 Elder Creek			Left	4.07
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/10/2013 - 04/10/2013			
DWR Inspector	Bob Duffey			
Accompanied By	Brandon Konicke Tehama County			

Summer & Winter Inspections

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	4.07	04/10/2013 04/10/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location	Rating	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	1.41	1.41		Animal Control	LS	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	40.051517 ° -122.164850 °	40.051517 ° -122.164850 °	8 Y
						Ma				
										DWR ID: DWR_NA0019_04_s_2013_8
2	1.44	1.51	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2006 - High vertical bank due to mass failures. Thalweg meandering and erosion of bank. Banks are cohesive with non-cohesive gravel horizons. 2011 - Foundation is silty-sand with gravel. New slumping at the toe, mass failure continues. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: ELC_1-4_L]	40.051596 ° -122.164179 °	40.051979 ° -122.163106 °	9 Y
						Ma				
										DWR ID: DWR_NA0019_04_s_2013_9
3	1.60	1.71		Slope Stability	WS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible. Inspector Comments: Tehama Co. repaired the slope that was damaged by vehicle traffic, but the damage has returned.	40.052607 ° -122.161418 °	40.053558 ° -122.159903 °	3 Y
						Ma				
										DWR ID: DWR_04_s_2012_3
4	2.32	2.32		Slope Stability	LS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.052415 ° -122.149208 °	40.052415 ° -122.149208 °	18 Y
						Ma				
										DWR ID: DWR_NA0019_04_s_2012_18
5	2.46	2.46		Slope Stability	LS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.052417 ° -122.146747 °	40.052417 ° -122.146747 °	20 Y
						Ma				
										DWR ID: DWR_NA0019_04_s_2012_20
6	2.53	2.53		Slope Stability	LS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.052872 ° -122.145495 °	40.052872 ° -122.145495 °	2 Y
						Ma				
										DWR ID: DWR_NA0019_04_s_2012_2
7	2.66	2.66		Encroachments	LS	M	DE : Debris	40.054352 ° -122.144245 °	40.054352 ° -122.144245 °	4 Y
						Ma				
										DWR ID: DWR_NA0019_04_s_2012_4
8	2.82	2.85		Slope Stability	LS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.055033 ° -122.141457 °	40.055595 ° -122.141203 °	916 Y
						Ma				
										DWR ID: DWR_NA0019_04_s_2012_916
9	3.02	3.02		Animal Control	LS	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	40.056514 ° -122.139449 °	40.056514 ° -122.139449 °	5 Y
						Ma				
										DWR ID: DWR_NA0019_04_s_2012_5
10	3.03	3.03		Encroachments	LS	M	PR : Prunings	40.056487 ° -122.139394 °	40.056487 ° -122.139394 °	13 Y
						Ma				
										DWR ID: DWR_NA0019_04_f_2012_13
11	3.03	3.03		Slope Stability	WS	M	S3 : Repair the levee slope damaged by vehicle traffic and prevent access where possible.	40.056388 ° -122.139168 °	40.056388 ° -122.139168 °	10 Y
						Ma				
										DWR ID: DWR_NA0019_04_s_2012_10
12	3.15	3.15		Encroachments	LS	M	ST : Stairway	40.057285 ° -122.137732 °	40.057285 ° -122.137732 °	1 Y
						Ma				
										DWR ID: DWR_NA0019_04_s_2012_1
13	3.34	3.34		Encroachments	LS	M	GA : Garbage	40.057558 ° -122.134417 °	40.057558 ° -122.134417 °	6 Y
						Ma				
										DWR ID: DWR_NA0019_04_s_2012_6

* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek						Left	4.07	04/10/2013 04/10/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating ** +	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
14	3.42	3.65	Encroachments	LS	M	DT : Ditch En		40.056595 ° -122.133547 °	40.055527 ° -122.130223 °	11 Y
								DWR ID: DWR_NA0019_04_s_2013_11		
15	3.72	3.77	Vegetation	LS	M	V4 : Elderberries are blocking visibility and flood fight capability. Ma		40.055920 ° -122.128948 °	40.055945 ° -122.128310 °	7
								DWR ID: DWR_NA0019_04_s_2012_7		

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable
N : Not Inspected/Rated
C : Corrected
A/W : Acceptable but Monitor & Maintain

+ Issue Type

Ma : Maintenance Deficiency
Ob : Design & System Obsolescence
En : Enforcement

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	4.07	04/10/2013 04/10/2013	Bob Duffey

Levee Mile Report Line	1
Start Levee Mile	1.41
End Levee Mile	1.41
Location	Land Side
Category	
Item	Animal Control

View of the rodent holes along the landside slope.

rduffey_s_20130429_360.JPG



Levee Mile Report Line	3
Start Levee Mile	1.60
End Levee Mile	1.71
Location	Water Side
Category	
Item	Slope Stability

View of the levee slopes damaged by vehicle traffic.

rduffey_s_20130225_171.JPG



Levee Mile Report Line	4
Start Levee Mile	2.32
End Levee Mile	2.32
Location	Land Side
Category	
Item	Slope Stability

View of the vehicle erosion along the L/S slope.

rduffey_s_20130225_175.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	4.07	04/10/2013 04/10/2013	Bob Duffey

Levee Mile Report Line	5
Start Levee Mile	2.46
End Levee Mile	2.46
Location	Land Side
Category	
Item	Slope Stability

View of the vehicle erosion along the L/S slope.

rduffey_s_20130225_176.jpg



Levee Mile Report Line	6
Start Levee Mile	2.53
End Levee Mile	2.53
Location	Land Side
Category	
Item	Slope Stability

View of the vehicle erosion along the L/S slope.

rduffey_s_20130225_170.jpg



Levee Mile Report Line	9
Start Levee Mile	3.02
End Levee Mile	3.02
Location	Land Side
Category	
Item	Animal Control

View of the rodent holes along the L/S slope.

rduffey_s_20130225_172.jpg



*** Location**

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WS : Water Side
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	4.07	04/10/2013 04/10/2013	Bob Duffey

Levee Mile Report Line	10
Start Levee Mile	3.03
End Levee Mile	3.03
Location	Land Side
Category	
Item	Encroachments

View of the brush pile next to the levee slope.

rduffey_s_20130225_174.JPG



Levee Mile Report Line	12
Start Levee Mile	3.15
End Levee Mile	3.15
Location	Land Side
Category	
Item	Encroachments

View of the concrete stairways on the slope.

rduffey_s_20130225_169.jpg



Levee Mile Report Line	13
Start Levee Mile	3.34
End Levee Mile	3.34
Location	Land Side
Category	
Item	Encroachments

View of the garbage and metal at the toe of the levee & along the slope of the landside.

rduffey_s_20130225_173.jpg



*** Location**

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A/W : Acceptable but Monitor & Maintain

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 04 Elder Creek	Left	4.07	04/10/2013 04/10/2013	Bob Duffey

Levee Mile Report Line	14
Start Levee Mile	3.42
End Levee Mile	3.65
Location	Land Side
Category	
Item	Encroachments

View of the ditch along landside toe.

rduffey_s_20130429_389.JPG



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Spring 2013 Levee Inspection Results

Tehama County Flood Control and Water Conservation District

Waterway			Bank	Unit Miles
Unit No. 05 Elder Creek			Right	3.96
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)				
Date of Inspection	04/10/2013 - 04/10/2013			
DWR Inspector	Bob Duffey			
Accompanied By	Brandon Konicke Tehama County			

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek				Right	3.96	04/10/2013 04/10/2013	Bob Duffey

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
1	0.81	0.81		Encroachments	LS	C	PR : Prunings	40.050683 ° -122.177573 °	40.050683 ° -122.177573 °	1
					Ma					
									DWR ID: DWR_NA0019_05_s_2012_1	
2	0.94	0.94		Animal Control	LS	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	40.051237 ° -122.175410 °	40.051237 ° -122.175410 °	4
					Ma					Y
									DWR ID: DWR_NA0019_05_s_2013_4	
3	2.55	2.55		Animal Control	WS	M	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	40.051705 ° -122.148531 °	40.051705 ° -122.148531 °	5
					Ma					Y
									DWR ID: DWR_NA0019_05_s_2012_5	
4	2.57	2.57		Animal Control	LS	M	A1 : Exterminate rodents and backfill and compact or grout burrows.	40.051675 ° -122.148122 °	40.051675 ° -122.148122 °	8
					Ma					Y
									DWR ID: DWR_NA0019_05_s_2012_8	
5	2.70	2.76		Vegetation	LS	M	V6 : Landscaping	40.051778 ° -122.145745 °	40.052243 ° -122.144825 °	2
					En					Y
									DWR ID: DWR_NA0019_05_s_2012_2	
6	3.08	3.10	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2006 - Mass failure of this bank due to being along the outside of a bend where erosion and undercutting are the greatest. Low flow is being forced into the toe of this bank by point bar on the opposite side of the creek. 2011 - Toe of the bank continues to be undercut. 2012: Site is part of the extended inventory, last inspected 2011. [2012 Site ID: ELC_3-0_R]	40.054730 ° -122.140578 °	40.054970 ° -122.140238 °	3
					Ma					
									DWR ID: DWR_NA0019_05_s_2013_3	
7	3.13	3.13		Vegetation	WS	M	V4 : Elderberries are blocking visibility and flood fight capability.	40.055632 ° -122.138910 °	40.055607 ° -122.138868 °	11
					Ma					
									DWR ID: DWR_NA0019_05_s_2012_11	
8	3.37	3.84		Vegetation	WS	M	V4 : Elderberries are blocking visibility and flood fight capability.	40.056831 ° -122.136365 °	40.054862 ° -122.129279 °	9
					Ma					
									DWR ID: DWR_NA0019_05_s_2012_9	
9	3.45	3.45		Erosion / Bank Caving	LS	M	E2 : Schedule repair of erosion site prior to the next inspection.	40.056727 ° -122.134888 °	40.056727 ° -122.134888 °	7
					Ma					Y
									DWR ID: DWR_NA0019_05_s_2012_7	
10	3.77	3.91		Vegetation	WS	M	V4 : Elderberries are blocking visibility and flood fight capability.	40.056922 ° -122.136365 °	40.054562 ° -122.128345 °	10
					Ma					
									DWR ID: DWR_NA0019_05_s_2012_10	

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+ Issue Type

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.96	04/10/2013 04/10/2013	Bob Duffey

Levee Mile Report Line	2
Start Levee Mile	0.94
End Levee Mile	0.94
Location	Land Side
Category	
Item	Animal Control

View of the rodent holes along the levee slope.

rduffey_s_20130429_362.JPG



Levee Mile Report Line	3
Start Levee Mile	2.55
End Levee Mile	2.55
Location	Water Side
Category	
Item	Animal Control

View of the rodent activity along the landside slope.

rduffey_s_20130225_179.JPG



Levee Mile Report Line	4
Start Levee Mile	2.57
End Levee Mile	2.57
Location	Land Side
Category	
Item	Animal Control

View of the bait station next to the squirrel holes on the landside slope.

rduffey_s_20130225_181.jpg



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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Spring 2013

Tehama County Flood Control and Water Conservation District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 05 Elder Creek	Right	3.96	04/10/2013 04/10/2013	Bob Duffey

Levee Mile Report Line	5
Start Levee Mile	2.70
End Levee Mile	2.76
Location	Land Side
Category	
Item	Vegetation

View of the landscape along the slope.

rduffey_s_20130225_178.jpg



Levee Mile Report Line	9
Start Levee Mile	3.45
End Levee Mile	3.45
Location	Land Side
Category	
Item	Erosion / Bank Caving

View of the erosion along the L/S slope.

rduffey_s_20130225_180.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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